

Rymer, Edwina

From: Dorsey, Nancy
Sent: Wednesday, February 27, 2013 5:14 PM
To: Tim Baker
Cc: Dellinger, Philip; Charles Lord; Ron Dunkin; Lori Wrotenbery
Subject: RE: 2013-02-27 19:51:13 (mb_Lg 3.5) OKLAHOMA 35.5 -97.3 (63093)
Attachments: Nov2011_events.jpg; Nov2011_Wells.jpg; Stasta_parallel to fault.jpg; Wells_events.jpg

Something to consider-images attached

The area is the two townships covering most of the Wilzetta events in Lincoln County (12 miles n-s by 6 miles e-w). The planes shown in the drawing are at sea level, and 5000' increments below sea level. Check marks on the layer means, it is turned on. The disposal and EOR wells include historic, now plugged wells. That can be fixed later to only active ones.

As a reminder, the event locations does not currently show the uncertainty, nor of course do the well locations. Consequently, it can be used to get a feel for the data quality and a subjective overview.

Regards,
Nancy

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From: Tim Baker [mailto:T.Baker@occemail.com]
Sent: Wednesday, February 27, 2013 4:14 PM
To: Dorsey, Nancy
Cc: 'Dillinger.Phil@epa.gov'; Charles Lord; Ron Dunkin; Lori Wrotenbery
Subject: RE: 2013-02-27 19:51:13 (mb_Lg 3.5) OKLAHOMA 35.5 -97.3 (63093)

Thanks Nancy.

I do want to express our thanks in your hard work with Spatial Analyst and the earthquake data. I believe it may turn out to be some of the most important data collect thus far.

We are definitely going to put this software on our wish list.

Thanks Again!

From: Dorsey, Nancy [mailto:Dorsey.Nancy@epa.gov]
Sent: Wednesday, February 27, 2013 2:23 PM
To: Charles Lord; Tim Baker
Subject: FW: 2013-02-27 19:51:13 (mb_Lg 3.5) OKLAHOMA 35.5 -97.3 (63093)

This is an example of the earthquake notification you can sign up for through <https://ssleearthquake.usgs.gov/ens/>

Notice the line on Location Uncertainty!

From: USGS ENS [<mailto:ens@usgs.gov>]
Sent: Wednesday, February 27, 2013 2:14 PM
To: Dorsey, Nancy
Subject: 2013-02-27 19:51:13 (mb_Lg 3.5) OKLAHOMA 35.5 -97.3 (63093)



3.5 - OKLAHOMA

Preliminary Earthquake Report

Magnitude	3.5
Date-Time	27 Feb 2013 19:51:13 UTC 27 Feb 2013 13:51:13 near epicenter 27 Feb 2013 12:51:13 standard time in your timezone
Location	35.471N 97.340W
Depth	8 km
Distances	2 km (2 miles) SSW (204 degrees) of Nicoma Park, OK 4 km (3 miles) ENE (76 degrees) of Midwest City, OK 5 km (3 miles) SE (145 degrees) of Spencer, OK 18 km (11 miles) E (94 degrees) of Oklahoma City, OK 301 km (187 miles) N (350 degrees) of Dallas, TX
Location Uncertainty	Horizontal: 10.4 km; Vertical 8.1 km
Parameters	Nph = 46; Dmin = 14.8 km; Rmss = 1.11 seconds; Gp = 66° Version = 5
Event ID	us c000fe1c

For updates, maps, and technical information, see:

[Event Page](#)

or

[USGS Earthquake Hazards Program](#)

National Earthquake Information Center

U.S. Geological Survey

<http://earthquake.usgs.gov/regional/neic/>

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for M1.0 between 08:00 and 20:00 and M1.5 other times.

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